Subject: Added ProjectChrono
Posted by koldo on Mon, 04 Aug 2025 08:12:20 GMT

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Hi everyone

Project Chrono library has been added to UppHub.

It supports simulating rigid and soft body dynamics, collision detection, vehicle dynamics,
fluid-solid interaction, deformable terrain, and granular dynamics, among other physical systems.

Project Chrono in UppHub includes the Core library, updated to latest version 9.0.1 (03/07/2024),
and a simple sample included in examples/ProjectChrono_demo_cl package.
It can be used on both Linux and Windows, with MSVC and CLANG.

Being on UppHub, any U++ user can use it very easily, without worrying about CMake and other
compiling issues.

Project Chrono requires AVX2 support in all project, not only in the library. Please compile with
-mavx2 (GCC/Clang) or /arch:AVX2 (MSVC). However, don't worry, because if you forget to do
this, the compiler will throw an error.